

WATER-BASED COATING COMPOSITION AND PROCESS FOR FORMATION
OF COATING FILM

ABSTRACT

The present invention provides an aqueous coating composition which is excellent in low-temperature curability and capable of forming a coating film excellent in corrosion resistance.

The aqueous coating composition according to an embodiment of the present invention includes: (A) an aqueous epoxy-based polyamine resin having one or more primary amino groups and/or secondary amino groups in a molecule; (B) a compound having one or more (meth)acryloyl groups in a molecule; and (C) an alkoxysilane compound; wherein: an equivalent ratio of an amino group of the aqueous epoxy-based polyamine resin (A) and a (meth)acryloyl group of the compound (B) ((meth)acryloyl group/amino group) is 0.7 to 2.5; and a content of the alkoxysilane compound (C) in a solid content of the aqueous coating composition is 0.2 mass% to 5 mass%.

No Suitable Figure